DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.15

SOURCE INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: SIR-003085
Date Inspected: 07-Mar-2011

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

OSM Arrival Time: 700
OSM Departure Time: 1900
Location: Changxing Dao, Shangha

Quality Control Contact: Don Walton
Quality Control Present: ☑ Yes ☐ No
Material transfer: ☐ Yes ☐ No ☑ N/A
Sampled Items: ☐ Yes ☐ No ☑ N/A
Stock Transfer: ☐ Yes ☐ No ☑ N/A
OK to Cut: ☐ Yes ☐ No ☑ N/A
Rebar Test Witness: ☐ Yes ☐ No ☑ N/A
Delayed/Cancelled: ☐ Yes ☑ No ☐ N/A
Other: Coatings Inspection
Bridge No: 34-0006
Component: Sub-Assemblies (OBG) and Sub-Assemblies (
Bid Item: 77,78,79
Lot No:

Summary of Items Observed:

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Sub-Assemblies (OBG)

OBG Assembly Plates DP3169, DP3170 and DP3171, NOI Number 5905: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on OBG Assembly Plates DP3169, DP3170 and DP3171 in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Bike Path Panel BK4A-057 and Crash Barriers (6 Each), NOI Number 5906: In preparation for finish coat Interfine 979 Polysiloxane installation and in accordance with project specifications and SSPC-SP 1, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Bike path Panel BK4A-057. Also, in accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barriers (6 Each) for dry film thickness (DFT) compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to mud cracks on Bike Path Panels and improper coating application (200HS) on interior of Crash Barriers.

Ladders (58 Each) and Cable Supports (47 Each), NOI Number 5907: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Ladders (58 Each) and Cable Supports (47 Each) in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Anchor Bearing Blocks (63 Each), NOI Number 5909: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Anchor Bearing Blocks (63 Each) in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

OBG Assembly Plates (DP3169, DP3170 and DP3171) and Bike Path Panels (BK5A-003 and BK4C-024), NOI Number 5910: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on OBG Assembly Plates (DP3169, DP3170 and DP3171) and Bike Path Panels (BK5A-003 and BK4C-024). Test results recorded x2 soluble salts readings of 14.4 and 10.4 (µs/cm). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required blasting.

OBG Assembly Plates (DP3169, DP3170 and DP3171) and Bike Path Panels (BK5A-003 and BK4C-024) and Crash Barriers (3 Each), NOI Number 5911: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on OBG Assembly Plates (DP3169, DP3170 and DP3171) and Bike Path Panels (BK5A-003 and BK4C-024) and Crash Barriers (3 Each). Test results recorded x6 surface profile readings of 74 to 86 µm. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required blasting.

Crash Barrier E2-SB12-P37, NOI Number 5912: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barrier E2-SB12-P37 in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Bike Path Panels (BK5A-003 and BK4C-024), NOI Number 5913: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Bike Path Panels (BK5A-003 and BK4C-024). No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Sub-Assemblies (Tower)

Diaphragms (6 Each), NOI Number T2007: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Diaphragms (6 Each) for dry film thickness (DFT) compliance. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Office

SOURCE INSPECTION REPORT

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This Quality Assurance Inspector (QA) reviewed, recorded and entered data from notice of inspection requests for the purpose of tracking and compliance to contract documents.

Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By:	Cason,Kenneth	Quality Assurance Inspector
Reviewed By:	Miller,Mark	QA Reviewer